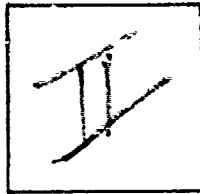


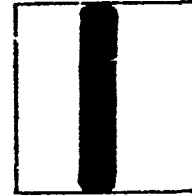
PHOTOGRAPH THIS SHEET

ADA 080266

DTIC ACCESSION NUMBER



LEVEL



INVENTORY

HQ Exercise DESERT ROCK VII

Camp DESERT ROCK, Nevada

Operation Order 1

DOCUMENT IDENTIFICATION

May 1957

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR

NTIS GRA&I ☒

DTIC TAB ☐

UNANNOUNCED ☐

JUSTIFICATION

Per Ltr. on File

BY

DISTRIBUTION /

AVAILABILITY CODES

DIST

AVAIL AND/OR SPECIAL

A

DISTRIBUTION STAMP

DDC
RECEIVED
FEB 11 1980
D

DATE ACCESSIONED

80 2 6 061

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

J. L. C. I.
DEFENSE NUCLEAR
ATTACHMENT
TECHNICAL LIBRARY
15 JAN 1980

Exercise
~~COMMISSION~~ DESERT ROCK 7, OPERATION ORDER 1

Army. Camp Desert Rock. Nevada

11 May 1957

DTL-80,0085

ADA080266

#440

DNA 9704

DOE 1/21/80

UNCLASSIFIED

Statement A
Approved for public release;
Distribution unlimited.

UNCLASSIFIED

(No change from original)

272 HQ - COR 354.15
3 JUNE 57

Copy 42 of 42 Copies

Hq. Exercise Desert Rock VII
Camp DESERT ROCK (872536), NEVADA
11000 May 1957

Operation Order 1

Map: NEVADA, 1:50,000, TIPPING SPRINGS, CAME SPRINGS, SPECTOR RANGE,
PARCOOSE LAKE, FISHWATER LAKE, and MERCURY Sheets.

Time Zone: Pacific Daylight Time

Task Organization: Annex A. Test Organization.

1. SITUATION.—The Atomic Energy Commission detonates an atomic device (BOLTZMAN) at H-hour on D-day which will be observed by approximately 51 US Army, 67 US Air Force, and 132 US Navy observers. After the shot personnel will monitor in the ground-zero area, and Ordnance and Signal field tests will be performed.

2. MISSION.—Hq. Exercise Desert Rock VII, supervises and coordinates Desert Rock Army, Navy, and Air Force participation in shot BOLTZMAN in area T-7c in the NEVADA TEST SITE commencing at H-hour on D-day to:

- a. Indoctrinate selected observers in effects of atomic weapons (Project 53.3 and selected personnel from the post staff).
- b. Track the movement of radioactive clouds, determine the height of the clouds, and investigate the feasibility of special and standardized Army radar equipment for such use (Project 50.3).
- c. Observe operability of various types of Ordnance equipment under blast, thermal, and radioactivity effects of nuclear explosions (Project 50.7).
- d. Conduct monitoring exercises to train passive-defense personnel in radiological defense techniques (Project 53.4).

3. EXECUTION:

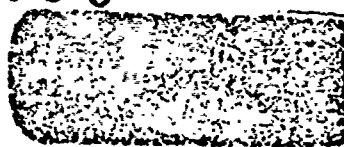
a. Concept of operation.—Personnel from the Exercise Desert Rock VII staff and Desert Rock Projects 51.1, 53.3, and 53.4 will observe Shot BOLTZMAN from a safe position. (Annex E. Opn Overlay). Shortly after the shot, Desert Rock red-safety personnel will monitor and mark the assigned pie segment. Upon announcement of H-hour, personnel from Project 53.4 will move to the pie segment and conduct monitoring exercises. Project 50.3 will operate radar equipment from approved site. Project 50.7 will position equipment in approved locations (in cooperation with AFSWP Proj 2.4).

b. 50th Chemical Platoon.—Provide rad-safety support as required. Annex C, Rad-Safety Plan.

c. Co B, 84th Engr Bn (Reinf).—Provide Engineer support as required.

UNCLASSIFIED
10/20/00
10/20/00
10/20/00

A. G. FILE



UNCLASSIFIED
10/20/00
10/20/00
10/20/00
3 JUNE 57
DR-5-88-57

UNCLASSIFIED

UNCLASSIFIED

277-NG CDR 35411
3 JUNE 67

Operation Order 1, (Och)

d. Unit, 8th Field Hosp.---Provide medical support as required. Annex D, Medical.

e. 293d MP Co (-)---Provide traffic control as required. Annex E, Provost Marshal.

f. 526th Ord Co (HAM) (-)---Provide Ordnance support as required.

g. 232d Signal Co.---Provide Signal support as required. Annex F, Signal.

h. 26th TC Bn.---Provide transportation support as required. Annex G, Transportation.

i. Project 50.3.---Operate radar equipment as per par 2b above from approved site. Only equipment approved during power run will be operated. All other equipment is totally secured.

j. Project 50.7.---Conduct test of Ordnance equipment in conjunction with AFSWP Project 2.4.

k. Project 51.1.---Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

l. Project 51.3.---Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

m. Project 51.4.---Move tactical vehicles (10) to observer area (coordinates 895925) with Desert Rock rad-safe vehicles (7) on D-1; move personnel to observer area with other observers (Annex G, Transportation); observe shot; at H-hour move on marked trail to approved pie segment (N45°E--N30°W); conduct monitoring exercises.

n. Desert Rock Aviation Section.---Provide one L-20 aircraft on ground alert at the Desert Rock air strip for air evacuation of casualties to the Nellis Air Force Base Hospital. Annex D, Medical.

o. Coordinating instructions.

(1) Unit commanders will insure that all Desert Rock personnel have film badges.

(2) All personnel will be familiar with provisions of the Rad-Safe Program.

(3) Vehicle commanders will load assigned vehicles by rosters, ascertaining that all personnel are present. If an individual is missing from the entrucking formation, his name will be red-lined from the roster. Rosters will be certified by vehicle commanders and returned after the shot to post S-2 for retention and for presentation to AEC upon request.

(4) Vehicle commanders will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.

(5) All personnel will be informed that two minutes prior to H-hour a 30-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.

(6) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radio-active.

(7) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes.

UNCLASSIFIED

277-NG CDR 35411
3 JUNE 67

Operation Order 1, (034)

LTJ. HQ CDR 3541
3 JUNE 57

d. Unit, 8th Field Hosp.—Provide medical support as required. Annex D, Medical.

e. 293d MP Co (-)—Provide traffic control as required. Annex E, Provost Marshal.

f. 526th Ord Co (H&M) (-)—Provide Ordnance support as required.

g. 232d Signal Co.—Provide Signal support as required. Annex F, Signal.

h. 26th TC Bn.—Provide transportation support as required. Annex G, Transportation.

i. Project 50.3.—Operate radar equipment as per per 2b above from approved site. Only equipment approved during power run will be operated. All other equipment will be safely secured.

j. Project 50.7.—Conduct test of Ordnance equipment in conjunction with AFSMP Project 2.4.

k. Project 51.1.—Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

l. Project 51.3.—Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

m. Project 51.4.—Move tactical vehicles (10) to observer area (coordinates 895925) with Desert Rock rad-safe vehicles (7) on D-1; move personnel to observer area with other observers (Annex G, Transportation); observe shot; at R-hour move on marked trail to approved pie segment (N45°E—N30°W); conduct monitoring exercises.

n. Desert Rock Aviation Section.—Provide one L-20 aircraft on ground alert at the Desert Rock airfield for air evacuation of casualties to the Nellis Air Force Base Hospital. Annex D, Medical.

o. Coordinating instructions.

(1) Unit commanders will insure that all Desert Rock personnel have film badges.

(2) All personnel will be familiar with provisions of the Rad-Safe Program.

(3) Vehicle commanders will load assigned vehicles by rosters, ascertaining that all personnel are present. If an individual is missing from the entrucking formation, his name will be red-lined from the roster. Rosters will be certified by vehicle commanders and returned after the shot to post S-2 for retention and for presentation to MEC upon request.

(4) Vehicle commanders will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.

(5) All personnel will be informed that two minutes prior to H-hour a 30-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.

(6) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.

(7) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes.

DOWNGRADED
LTJ. HQ CDR 3541
3 JUNE 57

Operation Order 1, (Cont.)

Downgraded
CTR HQ - CON 354.15
3 JUNE 57

(8) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex H, Evacuation plan.

4. ADMINISTRATION AND LOGISTICS:

a. Administration.

(1) Current administrative instructions apply.

(2) Uniform and equipment.

Fatigues	Pistol belt
Combat boots	Canteens, w/cup and cover
Field Jackets	First-aid packet and pouch
Helmet w/liner	Special equipment as required
(Soft cap or liner may be worn)	

(3) Hot breakfast will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics.

(1) Medical.--aid station will be established at observer area (coordinates 895925) and later at Desert Rock decontamination station (coordinates 848888). Annex D, Medical.

(2) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by S-4. S-3 will prepare observer rosters, indicating name, rank, branch, badge number, and vehicle number.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicles back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

b. Forward CP, Exercise Desert Rock VII, will open in the observer area at H-60 minutes. One liaison officer will be stationed at CP2 commencing at H-60 minutes and will remain until the shot is fired.

JENSEN
Brig Gen

Annexes: A--Task Organization
B--Operation Overlay
C--Rad-Safety Plan

Appendixes: 1--Radiological Recon
2--Rad-Safe Control Net

D--Medical
E--Provost Marshal

Appendixes: 1--Traffic Control Plan

Downgraded
CTR HQ - CON 354.15
3 JUNE 57

Operation Order 1, (Cont. of Operation Order 1)

Downgraded ~~Classification~~
CAMP CTR HQ - CON 554.15
3 JUNE 57

(8) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex H, Evacuation plan.

4. ADMINISTRATION AND LOGISTICS:

a. Administration.

- (1) Current administrative instructions apply.
- (2) Uniform and equipment.

Fatigues	Pistol belt
Combat boots	Canteens, w/cup and cover
Field Jackets	First-aid packet and pouch
Helmet w/liner	Special equipment as required
(Soft cap or liner may be worn)	

(3) Hot breakfast will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics.

(1) Medical.—aid station will be established at observer area (coordinates 895925) and later at Desert Rock decontamination station (coordinates 848888). Annex D, Medical.

(2) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by S-4. S-3 will prepare observer rosters, indicating name, rank, branch, badge number, and vehicle number.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicles back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

b. Forward CP, Exercise Desert Rock VII, will open in the observer area at H-60 minutes. One liaison officer will be stationed at CP2 commencing at H-60 minutes and will remain until the shot is fired.

JENSEN
Brig Gen

Annexes: A—Task Organization
B—Operation Overlay
C—Red-Safety plan

Appendixes: 1—Radiological Recon
2—Red-Safe Control Net

D—Medical

E—Provost Marshal

Appendixes: 1—Traffic Control Plan

Downgraded ~~Classification~~
CAMP CTR HQ CON 554.15
3 JUNE 57

~~SECRET~~

Downgraded ~~for~~ ~~dissemination~~
LTC - HQ CDR - JCY.15
3 JUNE 1959

Operation Order 1, (Cont'd)

Annexes, Cont'd:

F-Signal

- Appendixes: 1--AN/GHC-26 Net
2--Motorola-Type Net
3--Wire Circuit

G--Transportation

H--Emergency Evacuation Plan

I--Distribution

Distribution: Special

OFFICIAL:

Jerry
GARY
S-3

~~SECRET~~

Downgraded ~~for~~ ~~dissemination~~
LTC - HQ CDR - JCY.15
3 JUNE 1959

~~SECRET~~

Downgraded from ~~SECRET~~
Cdr. LTR - HQ CDR 354.15
3 JUNE 1959

Operation Order 1, (Cont'd)

Annexes, Cont'd:

F--Signal

Appendixes: 1--AN/GNC-26 Net
2--Motorola-Type Net
3--Wire Circuit

G--Transportation

H--Emergency Evacuation Plan

I--Distribution

Distribution: Special

OFFICIAL:

Jerry
GARAY
S-3

~~SECRET~~

Downgraded from ~~SECRET~~
Cdr. LTR - HQ CDR 354.15
3 JUNE 1959

~~SECRET~~

~~UNCLASSIFIED FOR DISSEM~~
REF CTR - HQ CDR 35X.1
3 JUNE 1957

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVAD.
111000 May 1957

ANNEX A (Task Organization) to Operation Order 1
Map: NEVADA, 1:50,000, TIEHIAN SPRINGS, CANE SPRINGS, SPECTOR
RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.
Time Zone: Pacific Daylight Time

HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jensen
Executive Officer - - - - - Col C. H. Dunning
Control Group Commander - - - - - Lt Col S. L. Garay
US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon
Co B, 84th Engr Bn (Reinf)
Unit, 8th Field Hosp
293d MP Co (-)
526th Ord Co (HAM) (-1 plat)
656th QM Petrol Supply Co (-)
Det, 53d QM Subsistence Supply (-)
Det, 163d QM Laundry Co
232d Signal Co
Signal Supply Team (KA)
Signal Maintenance Teams (GX and RD)
Signal Pictorial Teams (AE, FC, FH, and FF)
Signal Photo Dosimetry Team
26th TC Bn
Hq & Hq Co
2d TC Truck Co (Pet)
38th TC Co (Hv)
351st TC Co (Med)
TC Provisional Aircraft Maint Det

DESERT ROCK PROJECTS

Project 50.3, Evaluation Medium Range Detonation and Cloud
Tracking System
Project 50.7, Test of Ordnance Material
Project 51.1, Radiological Safety Monitoring Training
Project 53.3, ADC Air Crew Observers
Project 53.4, Radiological Defense Training

JENSEN
Brig Gen

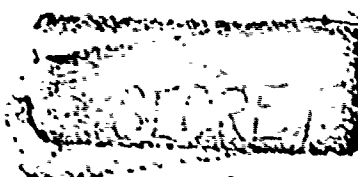
Distribution: Special

OFFICIAL:

S. L. Garay
GARAY
S-3

~~SECRET~~

~~UNCLASSIFIED FOR DISSEM~~
REF CTR - HQ
CDR 35X.1
3 JUNE 1957



DISSEMINATED FOR ~~CONFIDENTIAL~~
 6711-144 COR 354.11
 3 JUNE 1957

Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (672536), NEVAD.
 111000 May 1957

ANNEX A (Task Organization) to Operation Order 1
 Map: NEVADA, 1:50,000, TIEPAP SPRINGS, CANE SPRINGS, SPECTOR
 RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.
 Time Zone: Pacific Daylight Time

HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jensen
 Executive Officer - - - - - Col C. H. Dunning
 Control Group Commander - - - - - Lt Col S. L. Garay
 US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon
 Co B, 84th Engr Bn (Reinf)
 Unit, 8th Field Hosp
 293d MP Co (-)
 526th Ord Co (HAM) (-1 plat)
 656th QM Petrol Supply Co (-)
 Det, 53d QM Subsistence Supply Co
 Det, 163d QM Laundry Co
 232d Signal Co
 Signal Supply Team (KA)
 Signal Maintenance Teams (GK and RD)
 Signal Pictorial Teams (AE, FC, FH, and FF)
 Signal Photo Dosimetry Team
 26th TC Bn
 Hq & Hq Co
 2d TC Truck Co (Pet)
 38th TC Co (Hv)
 351st TC Co (Med)
 TC Provisional Aircraft Maint Det

DESERT ROCK PROJECTS

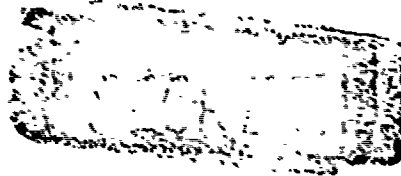
Project 50.3, Evaluation Medium Range Detonation and Cloud
 Tracking System
 Project 50.7, Test of Ordnance Material
 Project 51.1, Radiological Safety Monitoring Training
 Project 53.3, ADC Air Crew Observers
 Project 53.4, Radiological Defense Training

JENSEN
 Brig Gen

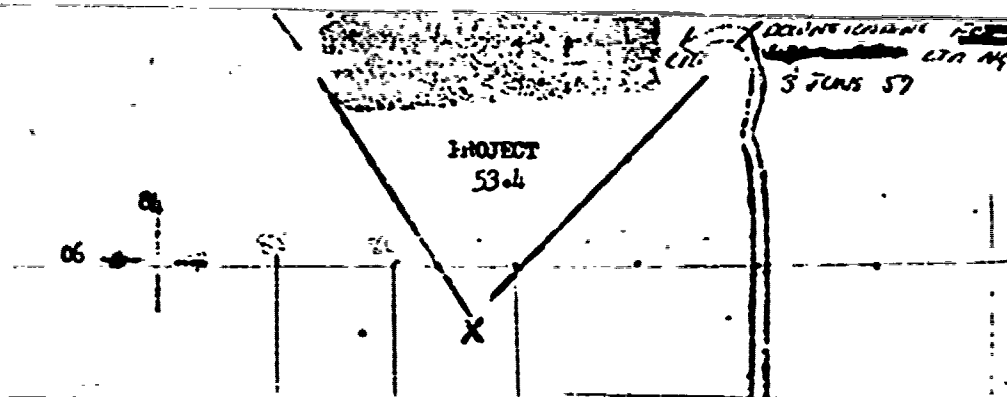
Distribution: Special

OFFICIAL:

S. L. Garay
 GARAY
 S-3



DISSEMINATED FOR ~~CONFIDENTIAL~~
 6711-144 COR 354.11
 3 JUNE 1957



DO NOT INCLUDE
 3 JUNE 57

Hq. Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 111000 May 1957

Annex P (Opn Overlay) to Opn P 1

Map: NEVADA, 1:50,000, TIPPICAH SPRINGS, CAME SPRINGS,
 RAPOOSE LAKE and FRINGEMAN LAKE Sheets

JENSEN
 Brig Gen

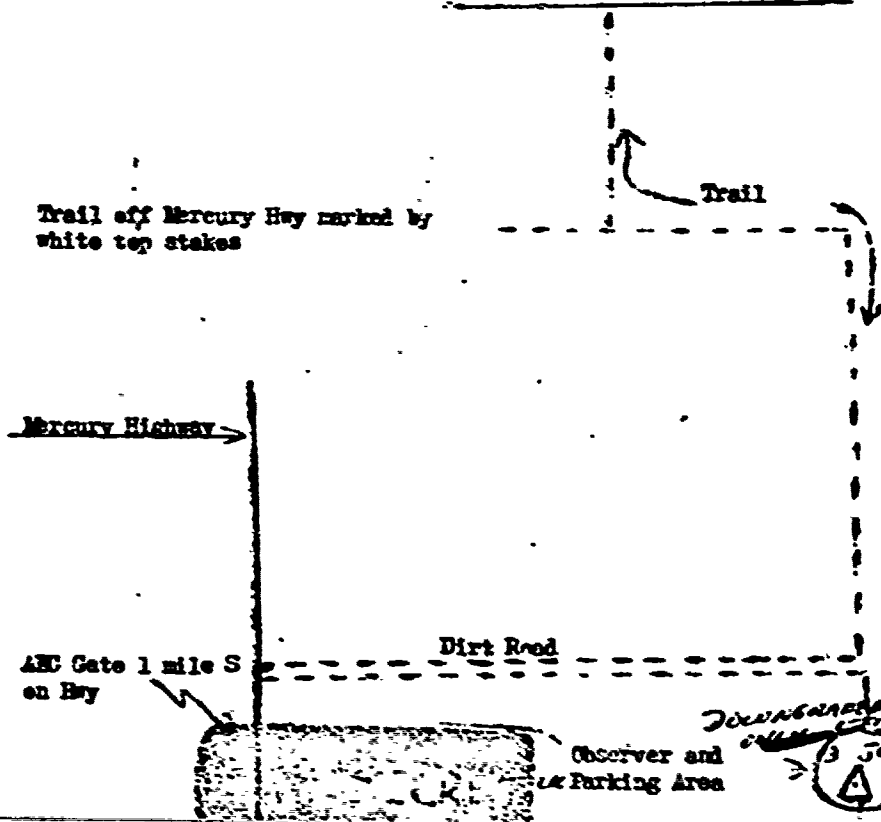
Distribution: Special

OFFICIAL:

[Signature]
 GARAY
 S-3

Black Top R.

767



Trail off Mercury Hwy marked by
 white top stakes

Mercury Highway

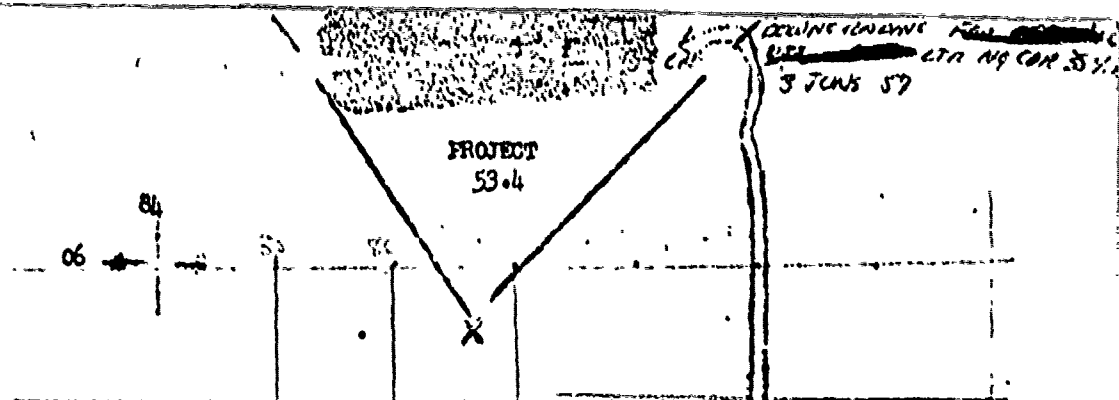
Trail

Dirt Road

AEC Gate 1 mile S
 on Hwy

Observer and
 Parking Area

DO NOT INCLUDE
 3 JUNE 57



Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 111000 May 1957

Annex 2 (opn overlay) to opn # 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CAME SPRINGS,
 RAPOOSE LAKE and FRENCHMAN LAKE Sheets

JENSEN
 Brig Gen

Distribution: Special

OFFICIAL:

[Signature]
 GARAY
 S-3

Black Top R.

767

Trail off Mercury Hwy marked by
 white top stakes

Trail

Mercury Highway →

ACG Gate 1 mile S
 on Hwy

Dirt Road

Observer and
 Parking Area

DOWNGRADED FOR
 HQ - C-812 37.11
 3 JUN 57

Approved
3 June 57
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
11000 May 1957

Annex C (Rad-Safety Plan) to Operation Order 1

Maps: NEVADA, 1:50,000, TIPPINAH SPRING and PAPOOSE LAKE Sheets

1. SITUATION.--See Opn O 1.

2. MISSION.--To provide radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, documentary, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of assigned pie-sector.

(1) 50th Cmi Mt (Sv) will provide four (4) motorized, radio-equipped RAD-SAFE monitor teams.

(2) After detonation of the atomic device, three (3) RAD-SAFE monitor teams will move forward to pie-sector area upon order of the Rad-Safety Officer. (For route, see annex B, Operation Overlay.)

(3) Upon crossing the 5 mr/hr line, one (1) RAD-SAFE monitor team will stop, back-off to the 1 mr/hr line, and act as a road block to warn Camp Desert Rock participants that they are entering a contaminated area. This team will also be on stand-by status.

(4) Two (2) RAD-SAFE monitor teams will monitor the pie-sector boundary roads and erect signs to establish the 10 mr/hr and 100 mr/hr points. Teams will then withdraw behind the 1 mr/hr point and await arrival of the Project 53.4 monitors.

(5) RAD-SAFE teams will notify the Rad-Safety Officer of their survey date as it is determined.

(6) Project 53.4 monitor teams (Monitor Group A) will be released at the observation area by the Rad-Safety Officer after the Test Director has announced "Time" hour (H-hour) and after the Rad-Safe monitors have completed their survey. (Note: If no contamination is found in the assigned pie-sector, the teams will not be released until AEC requirements for use of the pie-sector for recovery operations are determined.)

(7) When released, Monitor Group A will be guided to the pie-sector by a Rad-Safe representative. (For route, see Annex B, Operation Overlay)

(8) Monitor Group A will conduct a survey of the pie-section by directing teams toward ground zero along predetermined radial lines. (See Appendix 1.) Teams will establish predetermined dose-rates but not to exceed 5 r/hr, situation permitting. Survey readings will be reported to a control point established in vicinity of coordinates 875081. A Rad-Safe representative will be located at their control point to enforce established safety criteria and to provide technical assistance when required.

(9) In addition to the RAD-SAFE monitor team acting as road block, one (1) additional stand-by emergency RAD-SAFE monitor team will be located with the Rad-Safety Officer in vicinity of coordinates 895925.

(10) Monitor Group B will be released and guided forward to the pie-sector by a Rad-Safe representative when Monitor Group A completes their radiological survey. Both groups will utilize the same operating procedures.

Approved
3 June 57

DECLASSIFIED FOR
271 HQ CON 354.15
3 JUNE 17

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex C (Rad-Safety Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TILPIPAH SPRING and PAPOOSE LAKE Sheets

1. SITUATION.--See Opn O 1.

2. MISSION.--To provide radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, dosimetry, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of assigned pie-sector.

(1) 50th Cmi Flt (Svc) will provide four (4) motorized, radio-equipped RAD-SAFE monitor teams.

(2) After detonation of the atomic device, three (3) RAD-SAFE monitor teams will move forward to pie-sector area upon order of the Rad-Safety Officer. (For route, see Annex B, Operation Overlay.)

(3) Upon crossing the 5 mr/hr line, one (1) RAD-SAFE monitor team will stop, back-off to the 1 mr/hr line, and act as a road block to warn Camp Desert Rock participants that they are entering a contaminated area. This team will also be on stand-by status.

(4) Two (2) RAD-SAFE monitor teams will monitor the pie-sector boundary roads and erect signs to establish the 10 mr/hr and 100 mr/hr points. Teams will then withdraw behind the 1 m/hr point and await arrival of the Project 53.4 monitors.

(5) RAD-SAFE teams will notify the Rad-Safety Officer of their survey date as it is determined.

(6) Project 53.4 monitor teams (Monitor Group A) will be released at the observation area by the Rad-Safety Officer after the Test Director has announced "Ready" hour (R-hour) and after the Rad-Safe monitors have completed their survey. (Note: If no contamination is found in the assigned pie-sector, the monitors will not be released until AEC requirements for use of the pie-sector for recovery operations are determined.)

(7) When released, Monitor Group A will be guided to the pie-sector by a Rad-Safe representative. (For route, see Annex B, Operation Overlay)

(8) Monitor Group A will conduct a survey of the pie-section by directing teams toward ground zero along predetermined radial lines. (See Appendix 1.) Teams will establish predetermined dose-rates but not to exceed 5 r/hr, situation permitting. Survey readings will be reported to a control point established in vicinity of coordinates 875081. A Rad-Safe representative will be located at their control point to enforce established safety criteria and to provide technical assistance when required.

(9) In addition to the RAD-SAFE monitor team acting as road block, one (1) additional stand-by emergency RAD-SAFE monitor team will be located with the Rad-Safety Officer in vicinity of coordinates 895925.

(10) Monitor Group B will be released and guided forwarded to the pie-sector by a Rad-Safe representative when Monitor Group A completes their radiological survey. Both groups will utilize the same operating procedures.

DECLASSIFIED FOR
271 HQ CON 354.15
3 JUNE 57

Annex G. (Rad-Safety Plan) to Operation Silver 1, Cont'd.

b. Dosimetry.--See Memo Nr 8, this headquarters.

c. Field decontamination.--See Memo Nr 9, this headquarters.

d. Coordinating Instructions.

(1) All radiological survey data will be turned in to the Rad-Safe Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.

(2) Safety regulations outlined in Memo Nr 10, this headquarters will be complied with by all personnel assigned or attached to CAMP DESERT ROCK for participation in this test shot exercise.

(3) Personnel will be turned off fifteen (15) minutes before shot time and will remain out of the area for five (5) minutes after the detonation.

(4) Recovery teams, other than those operating from CAMP DESERT, are to be permitted free access through any part of the assigned pie-sec.

(5) Rad-Safe personnel will be identified by a two-inch band of white Engineer tape mounted around their left caps.

(6) Protective field masks and field respirators are required for monitor personnel only and will be donned if breathing becomes difficult due to excessive dust, or if dust in the eyes affects vision.

(7) Observers will close and cover their eyes with their hands and face away (180°) from the detonation point for five (5) seconds prior to the shot until detonation time plus five (5) seconds.

4. ADMINISTRATION AND LOGISTICS.

a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.

b. Monitor vehicles and equipment will be spotted in vicinity of coordinates 895925 on D-1 day.

c. Pocket Chamber Dosimeters will be issued on the following basis:

(1) One (1) per VIP

(2) One (1) per monitor team.

d. Radiac Survey Meters will be issued on the following basis:

(1) AN/PDR-16A. One (1) per RAD-SAFE monitor team.

(2) AN/PDR-115.

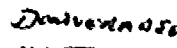
(a) One (1) per RAD-SAFE monitor team.

(b) Two (2) per Decontamination Station.

(3) AN/PDR-27A. Four (4) per Decontamination Station.

e. Minimum equipment list for RAD-SAFE monitor teams is as follows:

ITEM	QUANTITY
1/4-ton Truck w/radio	1
AN/PDR-16	1

Approved: 
Lt Col LTR HQ CON STY 11
3 JUNE 57

Annex C (Rad-Safety Plan) to Operation Order 1, Cont'd.

b. Dosimetry.--See Memo Nr 8, this Headquarters.

c. Field decontamination.--See Memo Nr 9, this Headquarters.

d. Coordinating instructions.

(1) All radiological survey data will be turned in to the Rad-Safe Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.

(2) Safety regulations published in Memo Nr 10, this Headquarters, will be complied with by all personnel assigned or attached to CAMP DESERT ROCK for participation in this test shot exercise.

(3) All personnel will be turned off fifteen (15) minutes before shot time and will remain out of the area for five (5) minutes after the detonation.

(4) Recovery teams, other than those operating from CAMP DESERT ROCK, are to be permitted free access through any part of the assigned pie-ces.

(5) Rad-Safe personnel will be identified by a two-inch band of white Engineer tape mounted around their field caps.

(6) Protective field masks and dust respirators are required for monitor personnel only and will be donned if breathing becomes difficult due to excessive dust, or if dust in the eyes effects vision.

(7) Observers will close and cover their eyes with their hands and face away (180°) from the detonation point for five (5) seconds prior to the shot until detonation time plus five (5) seconds.

4. ADMINISTRATION AND LOGISTICS.

a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.

b. Monitor vehicles and equipment will be spotted in vicinity of coordinates 895925 on D-1 Day.

c. Pocket Chamber Dosimeters will be issued on the following basis:

- (1) One (1) per VIP
- (2) One (1) per monitor team.

d. Radiac Survey Meters will be issued on the following basis:

- (1) AN/PDR-13A. One (1) per RAD-SAFE monitor team.
- (2) AN/PDR-T1B.
 - (a) One (1) per RAD-SAFE monitor team.
 - (b) Two (2) per Decontamination Station.
- (3) AN/PDR-27A. Four (4) per Decontamination Station.

e. Minimum equipment list for RAD-SAFE monitor teams is as follows:

ITEM	QUANTITY
1/4-ton Truck w/radio	1
AN/PRD-18	1

Donnerstag 3 June 57
LTR HQ COR 354.11
3 June 57

Annex C (Rad-Safety Plan) to Operation Order 1, Cont'd)

<u>ITEM</u>	<u>QUANTITY</u>
AN/PDR-T1B	1
Sledge or single-bit axe or maul	1
Grease pencil (dark color)	1
Compass	1
Flashlight	1
Contamination Marker, 10 mr/hr (on stake)	1
Contamination Marker, 100 mr/hr (on stake)	1
Contamination Markers, Blank (on stakes)	5

f. Uniform as prescribed.

5. COMMAND AND SIGNAL.

a. Rad-Safety Officer will be located with Monitor Group A.

b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

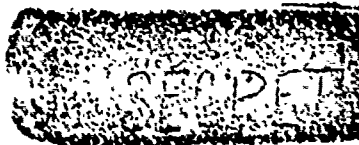
JENSEN
Brig Gen

Appendixes: 1--Radiological Recon
2--Rad-Safe Control Net

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3



~~DOWNGRADER~~
~~LTJ-NG CDR 354.11~~
3 JUNE 57

~~SECRET~~

~~Downgraded~~
~~CTA-MR COR 354.15~~
3 JUNE 57

Annex C (Rad-Safety Plan) to Operation Order 1, Cont'd)

<u>ITEM</u>	<u>QUANTITY</u>
AN/PDR-T1B	1
Sledge or single-bit axe or maul	1
Grease pencil (dark color)	1
Compass	1
Flashlight	1
Contamination Marker, 10 mr/hr (on stake)	1
Contamination Marker, 100 mr/hr (on stake)	1
Contamination Markers, Blank (on stakes)	5

f. Uniform as prescribed.

5. COMMAND AND SIGNAL.

a. Rad-Safety Officer will be located with Monitor Group A.

b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

JENSEN
Brig Gen

Appendices: 1-Radiological Recon
2-Rad-Safe Control Net

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

~~SECRET~~

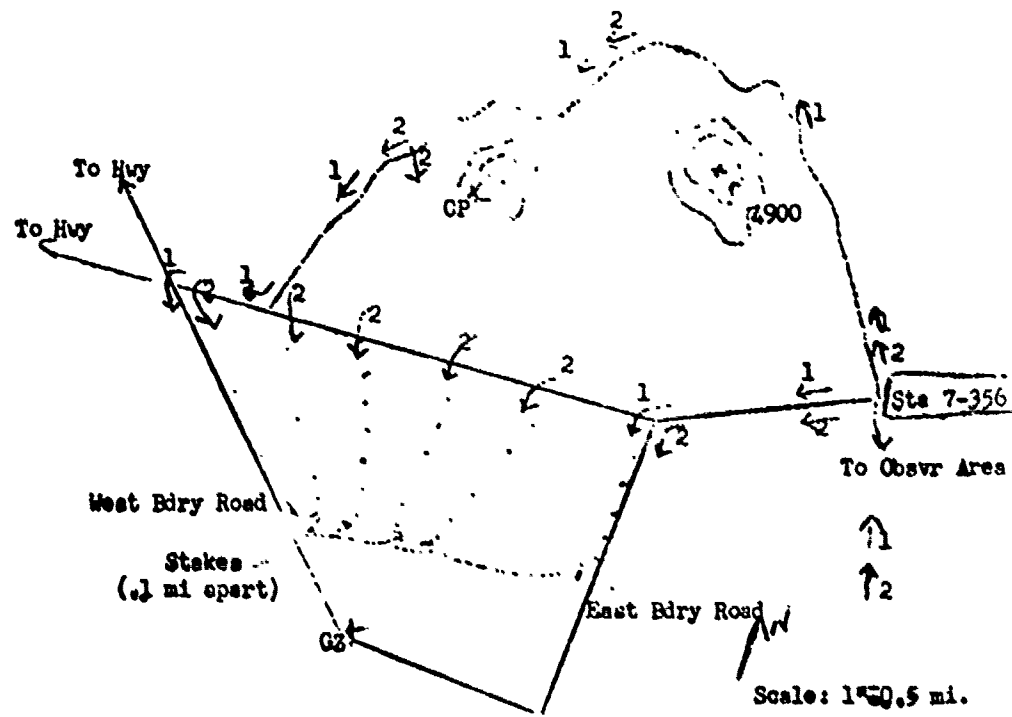
~~Downgraded~~
~~CTA-MR COR 354.15~~
3 JUNE 57

RECEIVED
LTR HQ COR 357.11
3 June 57

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872533), NEVADA
111000 May 1957

Appendix B (Radiological Reason) to Annex C (Rad-Safety Plan) to Opn O 1

Map: NEVADA, 1:50,000, TIPPICAH SPRING and PAROSE LAKE Sheets.



Situation permitting:

1. Control Point is CP in vicinity of (875081).
2. Route of RAD-SAFE Monitor Teams is shown by 1
3. Route of Project 53.4 Monitor Teams is shown by 2

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

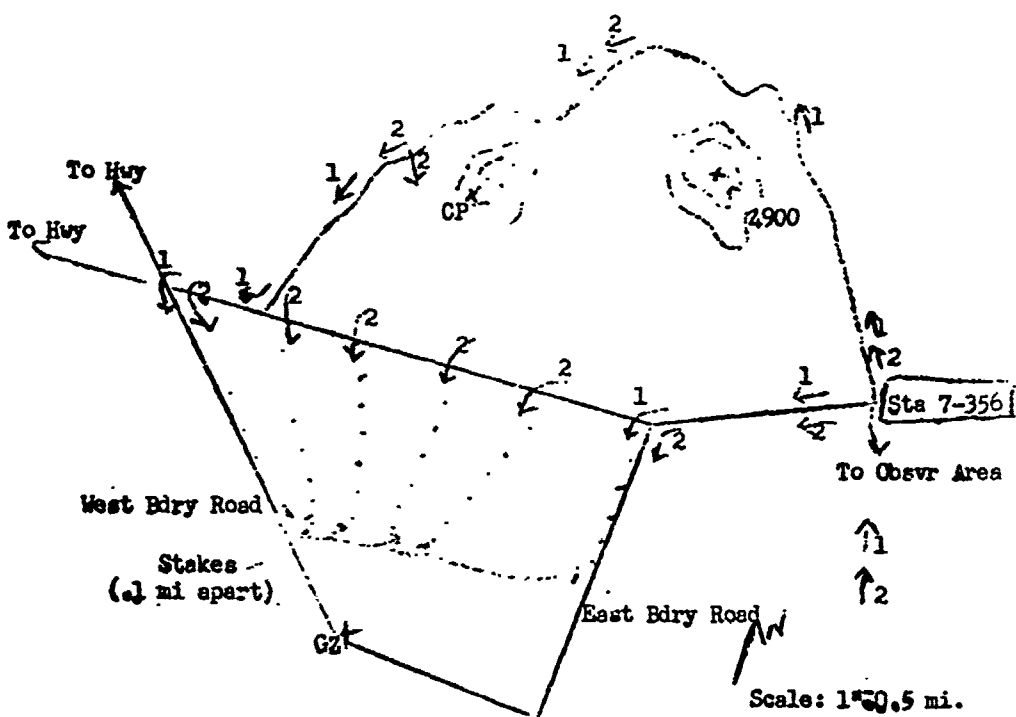
DUPLICATE
LTH HQ COR 357.15
3 June 57

~~Downgraded~~
 LTR HQ CDR 354.11
 3 JUNE 57

sq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 111000 May 1957

Appendix 2 (Radiological Reason) to Annex C (Rad-Safety Plan) to Opn 01

Map: NEVADA, 1:50,000, TIPPICAH SPRING and PAPOOSE LAKE Sheets.



Situation permitting:

1. Control Point is CP in vicinity of (875081).
2. Route of RAD-SAFE Monitor Teams is shown by 1
3. Route of Project 53.4 Monitor Teams is shown by 2

JENSEN
 Brig Gen

Distribution: Special

OFFICIAL:

Garay
 GARAY
 S-3

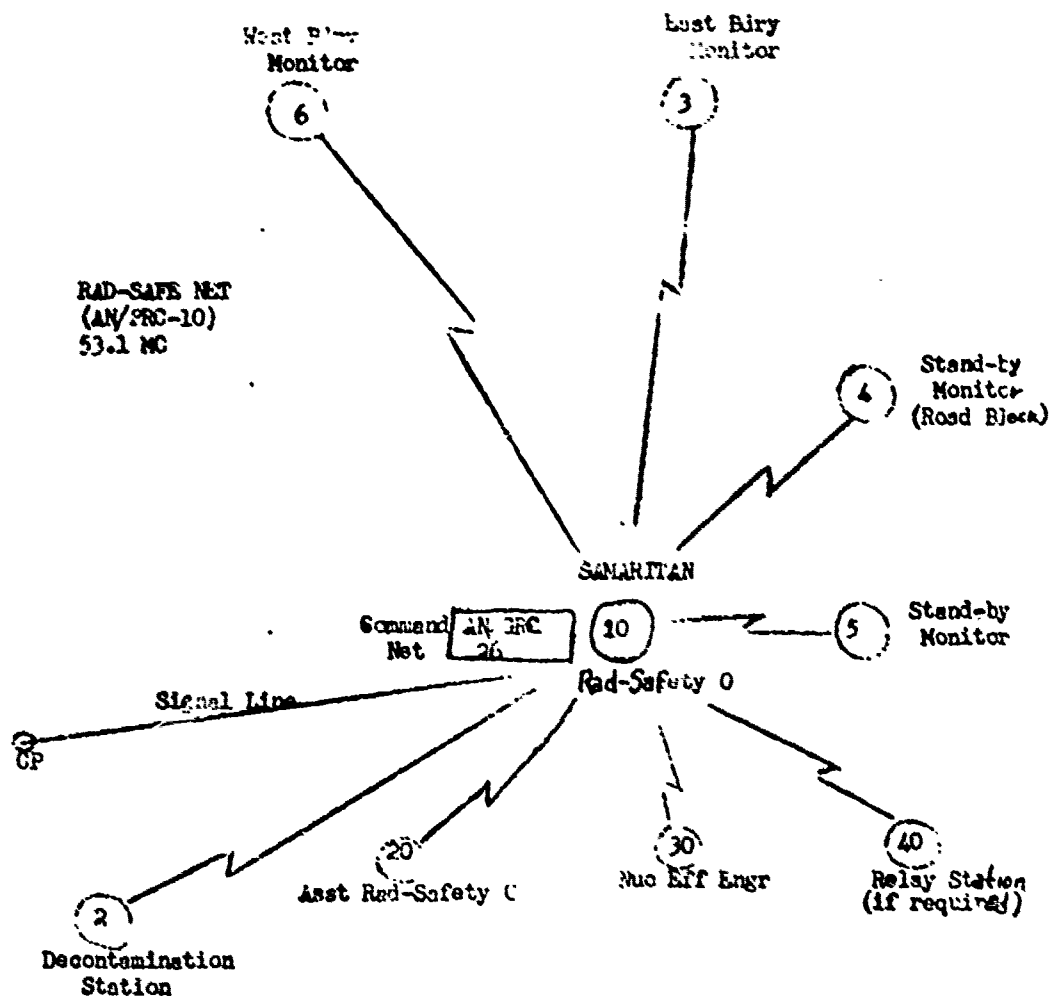
~~Downgraded~~
 LTR HQ CDR 354.11
 3 JUNE 57

~~DECLASSIFIED~~
CTR/HQ COR 354.11
3 JUNE 57

Hq. Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
11000 May 1957

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn C

Map: NEVADA, 1:50,000, TIPPINER Series. ARMOSE LAKE Sheets.



Distribution: Special

OFFICIAL:

Gray
GRAY
S-3

JENSEN
Brig Gen

~~DECLASSIFIED~~
CTR/HQ COR 354.11
3 JUNE 1957

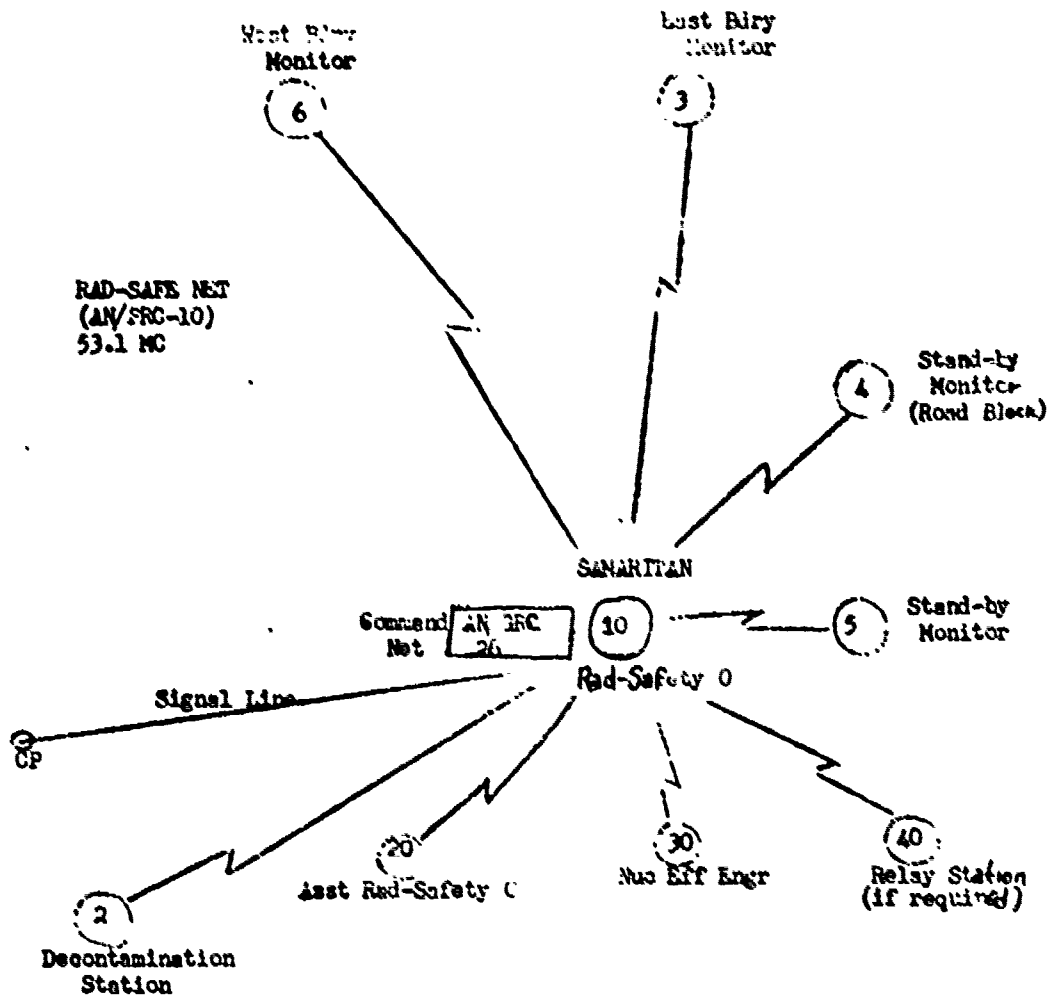
~~CONFIDENTIAL~~

UNCLASSIFIED
DATE 14 JUN 57
BY 3042

Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
11000 May 1957

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn C

Map: NEVADA, 1:50,000, TIPPIN: SPANISH SPRINGS, PUGOSE LAKE Sheets.



JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

~~CONFIDENTIAL~~

UNCLASSIFIED
DATE 14 JUN 57
BY 3042

UNRECORDED
LTC LTR HQ COR 354.11
3 JUNE 1957

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEV.
111000 May 1957

Annex D (Medical) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CAVE SPRINGS, SPECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. Aid Station will be established in the YUCCA LAKE observer area (coordinates 895925).
2. Two ambulances, equipped with radios tied in with Camp Desert Rock MP network, will move with the force in the (Annex G, Transportation). Upon arrival at the observer area, ambulances will take up position adjacent to Aid Station.
3. Evacuation of casualties will be by most direct and accessible route to dispensary at Camp Desert Rock.
4. Reserve medical team, with four ambulances, will be on call in Camp Desert Rock area.
5. Air evacuation, from Camp Desert Rock Air Strip to Nellis Air Force Base Hospital, will be on call.
6. Upon completion of shot, one ambulance will rejoin convoy for movement back to CAMP DESERT ROCK. One ambulance, with necessary medical personnel, will remain at the Desert Rock Decontamination Station (coordinates 846888) until all Camp Desert Rock personnel have cleared the forward area.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

UNRECORDED
LTC LTR HQ COR 354.11
3 JUNE 1957

UNRECORDED
LTJ HQ COL 354.15
3 JUNE 1957

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVA.
111000 May 1957

Annex D (Medical) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CARR SPRINGS, SPECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. Aid Station will be established in the YUCCA LAKE observer area (coordinates 895925).
2. Two ambulances, equipped with radios tied in with Camp Desert Rock MP network, will move with the main body (Annex G, Transportation). Upon arrival at the observer area, ambulances will take up position adjacent to Aid Station.
3. Evacuation of casualties will be by most direct and accessible route to dispensary at Camp Desert Rock.
4. Reserve medical team, with four ambulances, will be on call in Camp Desert Rock area.
5. Air evacuation, from Camp Desert Rock Air Strip to Nellis Air Force Base Hospital, will be on call.
6. Upon completion of shot, one ambulance will rejoin convoy for movement back to CAMP DESERT ROCK. One ambulance, with necessary medical personnel, will remain at the Desert Rock Decontamination Station (coordinates 848888) until all Camp Desert Rock personnel have cleared the forward area.

JENSEN
Brig Gen

Distributions: Special

OFFICIAL:

Garay
GARAY
3-3

UNRECORDED
LTJ HQ COL 354.15
3 JUNE 1957

~~SECRET~~ ~~CONFIDENTIAL~~
UK 3 JUNE 57
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex E (Provost Marshal) to Opn O 1

Maps: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CANE SPRINGS, SPECTOR RANGE, PAPOLE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. **SITUATION.**—Omitted.
2. **MISSION.**—Provost Marshal supports movement of staff and observer group to observer area and return.
3. **EXECUTION.**
 - a. 293d MP Company provides four TCPs and one parking area detail. Appendix 1, Traffic Control Plan.
 - b. TCP No 1 will direct vehicles straight ahead on MERCURY ROAD. Positioned 1 mile south of observer turn-off road.
 - c. TCP No 2 will direct vehicles right on unnamed road to observer area.
 - d. TCP No 3 will allow vehicles for hazardous dip.
 - e. TCP No 4 will direct vehicles right to parking area.
 - f. Parking area detail will assist TC officer (Capt Beckus) in parking vehicles and providing security.
 - g. TCPs will be established approx 1/2 hour prior to scheduled arrival of convoy. Annex G, Transportation.
4. **ADMINISTRATION AND LOGISTICS.**
 - a. Uniform.—Steel helmet, long underwear, fatigues, and field jacket.
 - b. Equipment.—Reflectorized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.
5. **COMMAND AND SIGNAL.**
 - a. Guard net AAG 700 will be used for movement to observer area and return.
 - b. Radio-equipped 1/2-ton trucks will be stationed at each TCP and remain in communications until ordered to leave net.
 - c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after show.
 - d. All participating military policemen will synchronize watches prior to movement to site.
 - e. TCPs will remain on post until final vehicle has passed point on movement to observer area.

~~SECRET~~ ~~CONFIDENTIAL~~
UK 3 JUNE 57

~~CONFIDENTIAL~~
UK 3 JUNE 57

~~CONFIDENTIAL~~ ~~SECRET~~ ~~TOP SECRET~~
3 JUNE 57

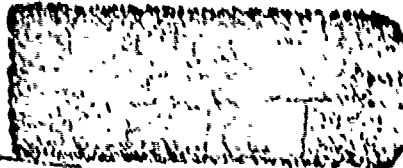
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex E (Provost Marshal) to Opn O 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Omitted.
2. MISSION.--Provost Marshal supports movement of staff and observer group to observer area and return.
3. EXECUTION.
 - a. 293d MP Company provides four TCPs and one parking area detail. Appendix 1, Traffic Control Plan.
 - b. TCP No 1 will direct vehicles straight ahead on MERCURY ROAD. Positioned 1 mile south of observer turn-off road.
 - c. TCP No 2 will direct vehicles right on unnamed road to observer area.
 - d. TCP No 3 will slow vehicles for hazardous dip.
 - e. TCP No 4 will direct vehicles right to parking area.
 - f. Parking area detail will assist TC officer (Capt Backus) in parking vehicles and providing security.
 - g. TCPs will be established approx 1/2 hour prior to scheduled arrival of convoy. Annex G, Transportation.
4. ADMINISTRATION AND LOGISTICS.
 - a. Uniform.--Steel helmet, long underwear, fatigues, and field jacket.
 - b. Equipment.--Reflectorized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.
5. COMMAND AND SIGNAL.
 - a. Guard post AAG 700 will be used to control movement to observer area and return.
 - b. Radio-equipped 1/2-ton trucks will be stationed at each TCP and will remain in communications until ordered to leave net.
 - c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after show.
 - d. All participating military policemen will synchronize watches prior to movement to site.
 - e. TCPs will remain on post until final vehicle has passed point on movement to observer area.

~~CONFIDENTIAL~~ ~~SECRET~~ ~~TOP SECRET~~
3 JUNE 1957



DOWNGRADED ~~SECRET~~
 LTR 14 CON 557.15
 3 JUNE 57

Annex E (Provost Marshal) to Opn O 1 (Cont'd)

- f. TCPs will be relieved upon completion of movement and will close observer group for shot.

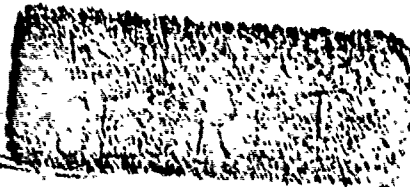
JENSEN
 Brig Gen

Appendixes: 1--Traffic Control Plan

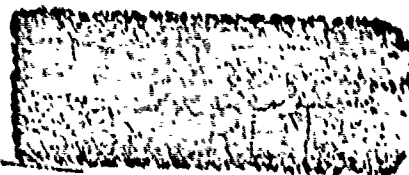
Distribution: Special

OFFICIAL:

Garay
 GARAY
 S-3



DOWNGRADED ~~SECRET~~
 LTR 14 CON 557.15
 3 JUNE 57



~~DOWNGRADED~~
 14 COR 354.15
 3 JUNE 57

Annex E (Provost Marshal) to Opn O 1 (Cont'd)

2. TCPs will be relieved upon completion of movement and will close w
 observer group for shot.

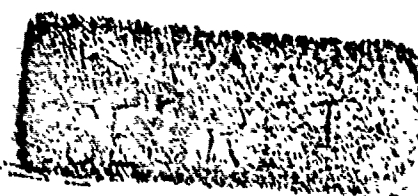
JENSEN
 Brig Gen

Appendixes: 1--Traffic Control Plan

Distribution: Special

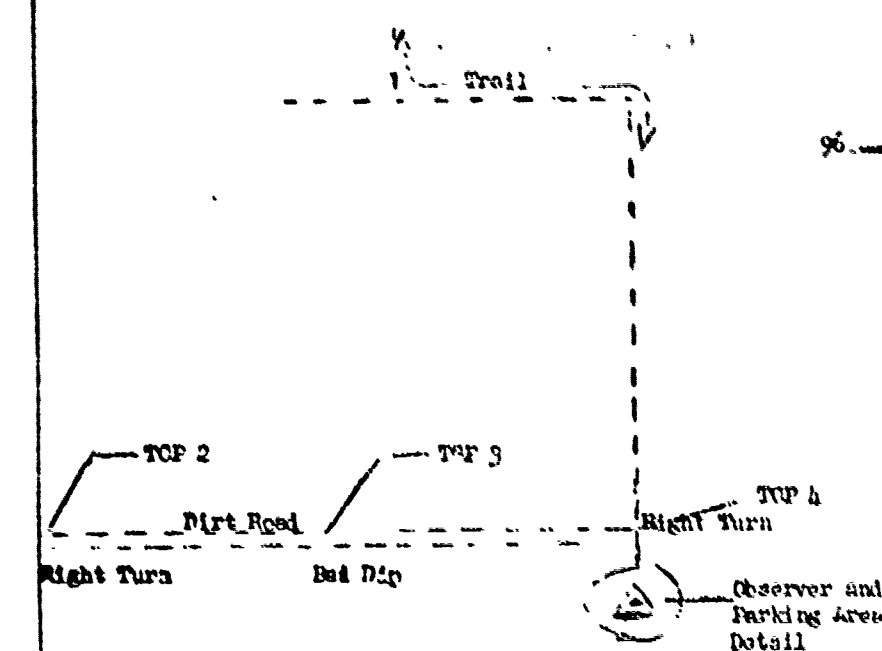
OFFICIAL:

Garay
 GARAY
 S-3



~~DOWNGRADED~~
 14 COR 354.15
 3 JUNE 57

AMERICAN ...
 ... CO. ...
 317 11 2 PLATE 17



Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NV...
 111000 May 1957

Appendix 1 (Traffic Control Plan):
 Annex E (Provost Marshal) to Opn O

Map: NEVADA, 1:50,000, TIPPIN SPRINGS,
 GATE SPRINGS, RABCOSE LAKE and MCKINLEY
 LAKE Sheets.

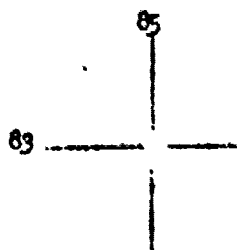
JENSEN
 Brig Gen

Mercury Highway

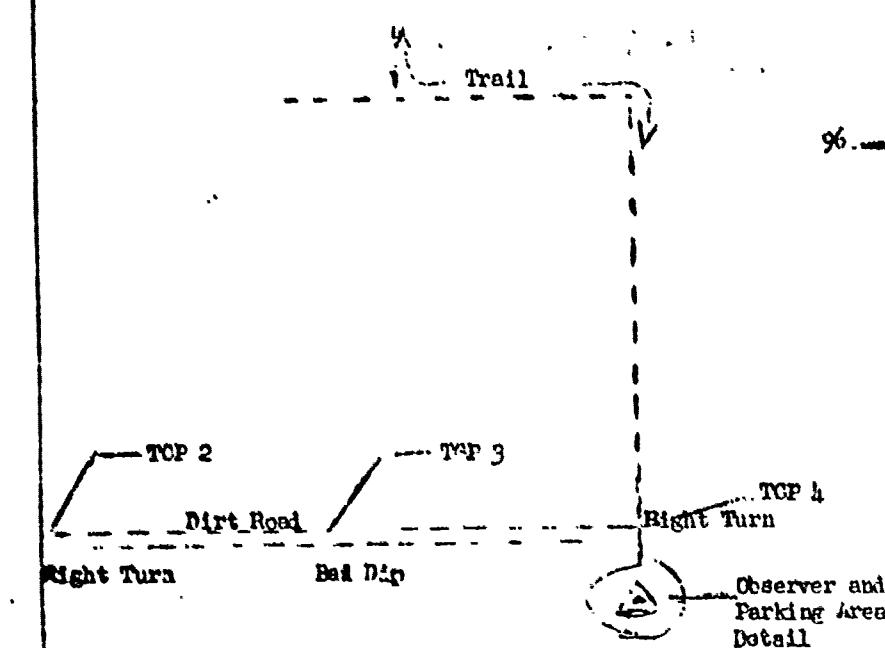
Distribution: Special

OFFICIAL:

GARAY
 S-3



154



Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEV.....
111000 May 1957

Appendix 1 (Traffic Control Plan) :
Annex E (Provost Marshal) to Opn O :

Map: NEVADA, 1:50,000, TIEPIPAH SPRINGS,
CANE SPRINGS, PAPOOSE LAKE and FREMONTIAN
LAKE Sheets.

JENSEN
Brig Gen

Mercury Highway

Distribution: Special

OFFICIAL:

GARAY
S-3 \

DAWNERADIO
17A AF COR
314.15 3 JUNE 57

Hq, Exorcise Desert Rock VII
CAMP DESERT ROCK (872536), NEV.
111000 May 1957

Annex F (Signal) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIAH SPRINGS, CAME SPRINGS, S. ECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To provide continuous communications for observer and Radiological monitoring before, during, and after the proposed detonation of shot HOLTZMAN on or about 16 May 1957.
2. MISSION.--The 232d Signal Company and attached signal teams will provide all Desert Rock communication services in coordination with DCD personnel and equipment, CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY, supported by personnel from the 232d Signal Company.
3. EXECUTION.

a. Radio communications.

- (1) Radio silence from H-15 minutes to H+5 minutes.
- (2) Radio call signs and frequencies:

g. Camp Desert Rock, Control Point 2, and Observer Location Net--AN/GRC-26. Call sign: Avalanche, Avalanche Alfa, and Avalanche Bravo. Frequency: 2312 KC AM. Alfa station located on Observer Location hill will be the net control station. Appendix 1, AN/GRC-26 Net.

h. DCD Net One. Motorola-type handy talkies to be furnished by DCD will provide communications between CP 2, observer location, and Project GO.3 location. Call sign: Hilltop, Hilltop Nr _____, and Hilltop Nr _____. Numbers and frequency will be announced and designated by DCD. Purpose of this net is to monitor announcements. Net control station: Hilltop. Appendix 2, Motorola-Type Net.

g. Back-up net. AN/GRC-9 if required.

b. Wire communications.

(1) Public address system will be set up at observer location (coordinates 895925).

(2) Wire circuit from CP 2 to observer location will be the public address system for the purpose of monitoring count-down and R-announcement. It will be backed up by the AN/GRC-26 net. Appendix 3, Circuit.

JENSEN
Brig Gen

Appendixes: 1--AN/GRC-26 Net
2--Motorola-Type Net
3--Wire Circuit

Distributions: Special

OFFICIAL:

GARAY
S-3

SECRET

3 JUNE 57

~~SECRET~~
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex F (Signal) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Shoots.

1. PURPOSE.--To provide continuous communications for observer and Radiological monitoring before, during, and after the proposed detonation of shot BOLTZMAN on or about 16 May 1957.
2. MISSION.--The 232d Signal Company and attached signal teams will provide all Desert Rock communication services in coordination with DOD personnel and equipment, CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY, supported by personnel from the 232d Signal Company.
3. EXECUTION.

a. Radio communications.

- (1) Radio silence from H-15 minutes to H+5 minutes.
- (2) Radio call signs and frequencies:

g. Camp Desert Rock, Control Point 2, and Observer Location Net--AN/GRC-26. Call sign: Avalanche, Avalanche Alfa, and Avalanche Bravo. Frequency: 2312 KC AM. Alfa station located on Observer Location hill will be the net control station. Appendix 1, AN/GRC-26 Net.

h. DOD Net One. Motorola-type handy talkies to be furnished by DOD will provide communications between CP 2, observer location, and Project GO.3 location. Call sign: Hilltop, Hilltop Mr _____, and Hilltop Mr _____. Numbers and frequency will be announced and designated by DOD. Purpose of this net is to monitor announcements. Net control station: Hilltop. Appendix 2, Motorola-Type Net.

g. Back-up net. AN/GRC-9 if required.

b. Wire communications.

(1) Public address system will be set up at observer location (coordinates 895925).

(2) Wire circuit from CP 2 to observer location will be the public address system for the purpose of monitoring count-down and R-announcement. It will be backed up by the AN/GRC-26 net. Appendix 3, Circuit.

JENSEN
Brig Gen

Appendices: 1--AN/GRC-26 Net
2--Motorola-Type Net
3--Wire Circuit

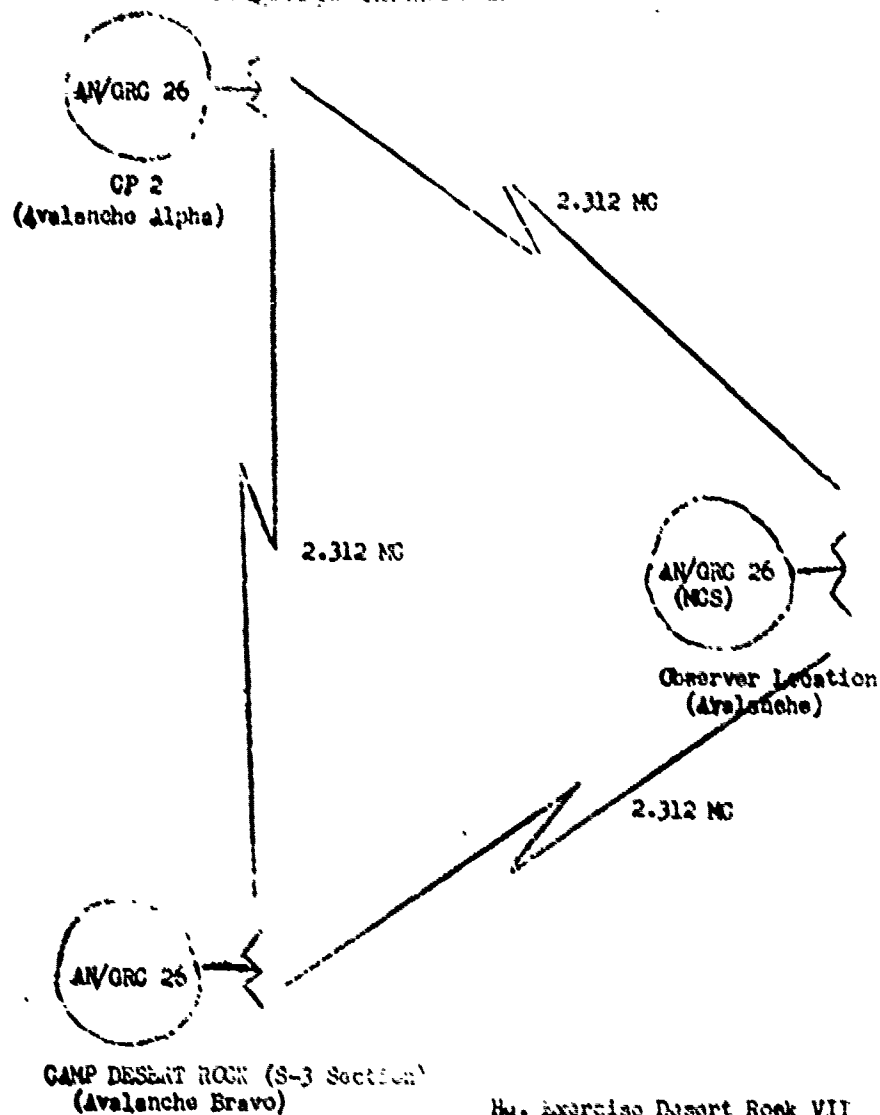
Distribution: Special

OFFICIAL:

GARAY
S-3

~~SECRET~~
~~SECRET~~

~~SECRET~~
3 JUN 57



Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), 1
111000 May 1957

Appendix 1 (AN/ORG 26 Net) to Annex F
(Signal) to Qn 01

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS,
CANE SPRINGS, SPACIOR RANCH, CAPOOSE
LAKE, FRENCHMAN LAKE and MERCURY Sheets.

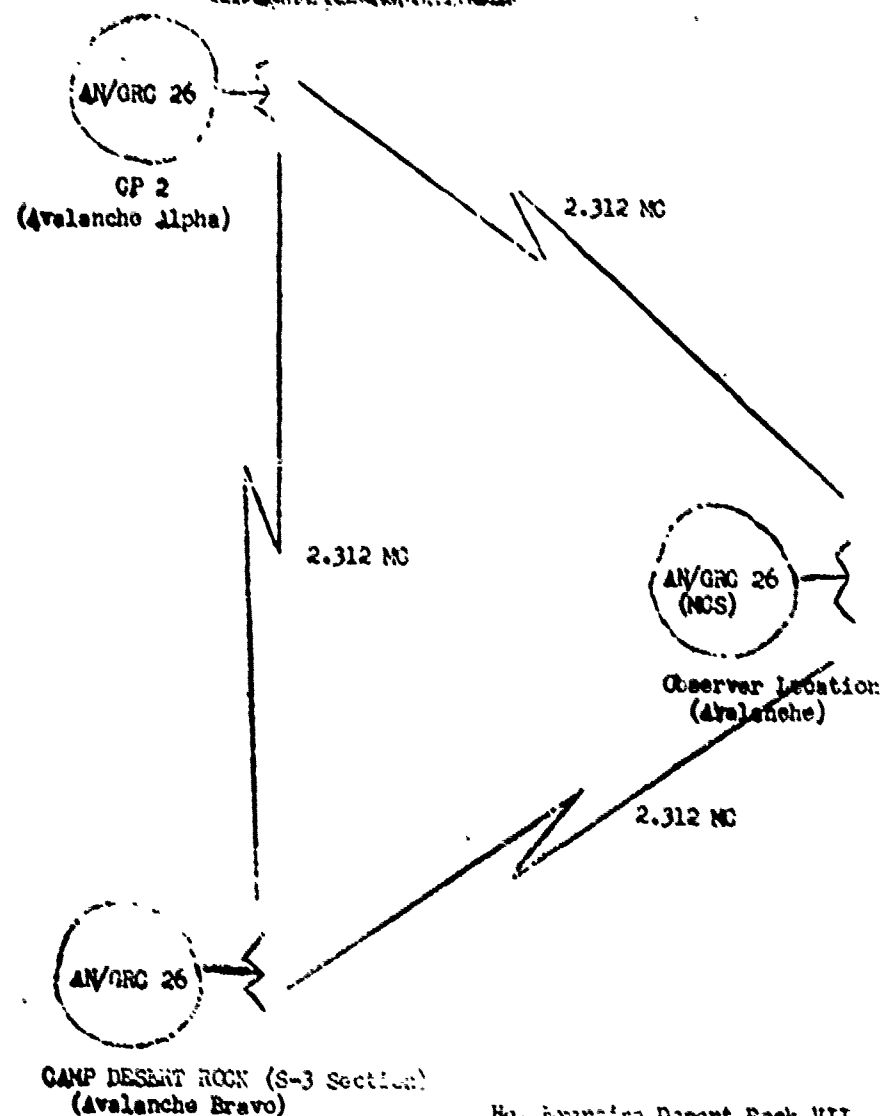
JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Survey
GARY
S-3

~~Drawn by~~ ~~NY COR 314.15~~
3 JUN 1957



Appendix 1 (AN/GRC 26 Net) to Annex F
(Signal) to Opn 01

Map: NEVADA, 1:50,000, TLEPPAH SPRINGS,
CANE SPRINGS, SPACIOR RANG, PAPOUSE
LAKE, FRENCHMAN LAKE and MERCURY Sheets.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

~~Drummond~~
Cdr. M. C. C. 31X.15
3 June 1957

SECRET

UNCLASSIFIED
BY ~~XXXXXX~~ CTA NY COR
254.15 2 JUN 1953

Motorola
Type
Handy-Talkie

Observer Location
(Hill Top)

Motorola
Type
Handy-Talkie
(NCS)
OP 2
(Hill Top)

Hq. Exercise Desert Recon VII
CAMP DESERT ROCK (872536) N.J.D.
111000 May 1957

Appendix 2 (Motorola-Type Net)
to Annex F (Signal) to Opn 01

Maple, NEVADA, 1:50,000, TIFINIA
SPRINGS, CAINE SPRINGS, SP. 51
RANGE, PAPOOSE LAKE, FREN. 51
LAKE and MOUNTAIN Sheets.

Motorola
Type
Handy-Talkie
Project 5000
(Hill Top)

Note: Frequencies to be announced by DOD

JENSEN
Brig Gen

Distribution: Special

OFFICIAL

[Signature]
GARAY
Sg

SECRET

UNCLASSIFIED
BY ~~XXXXXX~~ CTA NY COR
254.15 3 JUN 57

~~SECRET~~

~~DISSEMINATED~~
~~SECRET~~ CTR HQ - CD R
354.15 3 JUNE 1957

Motorola
Type
Handy-Talkie

Observer Location
(Hill Top)

Motorola
Type
Handy-Talkie
(NCS)
CP 2
(Hill Top)

Hq. Exercise Desert Rock FII
CAMP DESERT ROCK (872596) N. DA
111000 May 1957

Appendix 2 (Motorola-Type Net)
to Annex F (Signal) to Opn 01

Map, NEVADA, 1:50,000, TIPPIN
SPRINGS, CAVE SPRINGS, SP. R
RANGE, PALCOSE LAKE, FREN
LEE and MERCURY Sheets.

Motorola
Type
Handy-Talkie

Project 50-5
(Hill Top)

Notes: Frequencies to be announced by DOD

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Long
GARAY
S-3

~~SECRET~~

~~DISSEMINATED~~
~~SECRET~~ CTR HQ - CD R
354.15 3 JUNE 57

UNCLASSIFIED
LTH HQ COR
357.11 3 JUNE 57

CP2

(1-WD-1)

NY/TIG-2

Location HQ, Exercise Desert Rock VII
CAMP DESERT ROCK (E725)
NEVADA
111000 May 1957

Appendix 3 (Wire Circuit) to Annex 1
(Signal) to Opn 01

Map: NAV. 26, 1:50,000, TIPPINAH ST US,
CANE SPRINGS, SPECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE
MERCURY Sheets.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

UNCLASSIFIED
LTH HQ COR 357.11
3 JUNE 57

SECRET

DOWNGRADED ~~SECRET~~
LTR HQ COR
354.15 3 JUNE 59

CP2

(1-ND-1)

AN/TIQ-2

Observer
Location Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (8725)
NEVADA
111000 May 1957

Appendix 3 (Wire Circuit) to Annex F
(Signal) to Opn 01

Map: NEVADA, 1:50,000, TIPPICAH SPRINGS,
CANE SPRINGS, SPECTOR RANGE,
PAFOOSE LAKE, FRENCHMAN LAKE ...
MERCURY Sheets.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

DOWNGRADED ~~SECRET~~
LTR HQ COR 354.15
3 JUNE 59

~~CONFIDENTIAL~~
3 JUNE 57
Hq. Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
11000 May 1957

Annex G (Transportation) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAVE SPRINGS, SPECTOR RANGE, PAPOH
LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

VEHICLE ROSTER (POLIZMAN)

A-1 - 1/4-Ton (Serial Comdr)	A-8 - 37-Pass Bus
A-2 - 37-Pass Bus	A-9 - 37-Pass Bus (Empty)
A-3 - 37-Pass Bus	A-10 - Ambulance, Metro
A-4 - 37-Pass Bus	A-11 - Ambulance, 3/4-ton
A-5 - 37-Pass Bus	A-12 - Wrecker, M-62
A-6 - 37-Pass Bus	A-13 - 1/4-ton (Trail Officer)
A-7 - 37-Pass Bus	

MARCH TABLE

Serial Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt Sackett	25mph	Closed	5	(IP)MP Gate	0050	0055
	25mph	Closed	5	Mer Ck Pt Nr 1	0057	0102
	25mph	Closed	5	Mer Ck Pt Nr 2	0102	0107
	35mph	Open	5	GP Yucca Pass	0142	0147
	35mph	Open	5	AEC Gate	0145	0150
	15mph	Closed	5	TCP Nr 2	0148	0153
	15mph	Closed	5	Parking Area	0203	0208

Convoy Comdr: Capt Backus

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
8-3

~~CONFIDENTIAL~~
3 JUNE 57
LTH HQ COR 354.15

146 COR 354.15
57
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex G (Transportation) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPO
LAKE, FRENCHMAN LAKE, and MERCURY Shoals.

VEHICLE ROSTER (BOLIZMAN)

A-1 - 1/4-Ton (Serial Comdr)	A-8 - 37-Pass Bus
A-2 - 37-Pass Bus	A-9 - 37-Pass Bus (Empty)
A-3 - 37-Pass Bus	A-10 - Ambulance, Metro
A-4 - 37-Pass Bus	A-11 - Ambulance, 3/4-ton
A-5 - 37-Pass Bus	A-12 - Wrecker, M-62
A-6 - 37-Pass Bus	A-13 - 1/4-ton (Trail Officer)
A-7 - 37-Pass Bus	

MARCH TABLE

Serial Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt Sackott	25Mph	Closed	5	(IP)MP Gate	0050	0055
	25Mph	Closed	5	Mer Ck Pt Nr 1	0057	0102
	25Mph	Closed	5	Mer Ck Pt Nr 2	0102	0107
	35Mph	Open	5	GP Yuoca Pass	0142	0147
	35Mph	Open	5	AEC Gate	0145	0150
	15Mph	Closed	5	TCP Nr 2	0148	0153
	15Mph	Closed	5	Parking Area	0203	0208

Convoy Comdr: Capt Backus

JENSEN
Brig Gen

Distributions: Special

OFFICIAL:

Garay
GARAY
8-3

146 COR 354.15
3 JUNE 57

20N 14 COR
3 JUL 57
Sg, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 May 1957

Annex H (Emergency Evacuation Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIN SPRINGS, C.M. SPRINGS, SPECTOR RANGE,
PAROSH LAKE, FRENCHMAN LAKE, and MERCURY SHEETS.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the NEVADA TEST SITE in case of emergency.

2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.

a. Evacuation will be to the south in the following order:

- (1) Decontamination Station (coordinates 848888).
- (2) Check Gate Nr 2, Camp Mercury (coordinates 914605).
- (3) Camp Desert Rock motor pool (coordinates 872537).

b. Serial commander will be responsible for the movement of his vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.

c. Vehicle commanders will be responsible for the orderly loading and movement of their groups on order of the serial commander.

d. Following procedure will be observed in the observer area:

(1) Provost Marshal will report for orders to the Control Group Commander.

(2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle commander.

(3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.

(4) Vehicles will be dispatched from the parking area by the TC representative in march unit area. Entrucking area on order of the Control Group Commander.

(5) Control Group will evacuate the test area on order of Deputy Exercise Director when it is assured that all other Desert Rock have been evacuated.

e. Following procedure will be observed in the pic segment area (where teams will be monitoring):

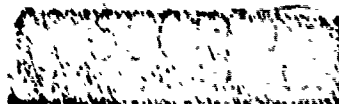
(1) Project officers (2A.1 and 53.4) will be responsible for loading and moving their personnel as rapidly as possible to the south as per paragraph 2a above. Desert Rock rad-safety representative(s) in the area will be notified when area is ready to be evacuated.

(2) Desert Rock rad-safety representative(s) will assist project officers in every way possible, report evacuation to Control Group Commander when completed, and then move to place of safety to the south.

f. Coordinating instructions.

(1) Maximum vehicle speed will be 35 MPH.

(2) March units will entruck during all movements.



RECORDED
LTA 14 COR 317.11
3 JUL 1957

204 MP COR
3 JUN 57
Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA.
111000 May 1957

Annex H (Emergency Evacuation Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CAMEL SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Shoals.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the NEVADA TEST SITE in case of emergency.
2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.
 - a. Evacuation will be to the south in the following order:
 - (1) Decontamination Station (coordinator 848883).
 - (2) Chuck Gate Nr 2, Camp Mercury (coordinates 914605).
 - (3) Camp Desert Rock motor pool (coordinates 872537).
 - b. Serial commander will be responsible for the movement of his vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.
 - c. Vehicle commanders will be responsible for the orderly loading and movement of their groups on order of the serial commander.
 - d. Following procedure will be observed in the observer area:
 - (1) Provost Marshal will report for orders to the Control Group Commander.
 - (2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle commander.
 - (3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.
 - (4) Vehicles will be dispatched from the parking area by the TC representative in march unit order. Entrucking area on order of the Control Group Commander.
 - (5) Control Group will evacuate the test area on order of Deputy Exercise Director when it is assured that all other Desert Rock have been evacuated.
 - e. Following procedure will be observed in the pie segment area (where teams will be monitoring):
 - (1) Project officers (52.1 and 53.4) will be responsible for loading and moving their personnel as rapidly as possible to the south as per paragraph 2a above. Desert Rock rad-safety representative(s) in the area will be notified when area is ready to be evacuated.
 - (2) Desert Rock rad-safety representative(s) will assist project officers in every way possible, report evacuation to Control Group Commander when completed, and then move to place of safety to the south.
 - f. Coordinating instructions.
 - (1) Maximum vehicle speed will be 35 MPH.
 - (2) March units will entruck during all movements.

UNCLASSIFIED
3 JUN 1957

~~SECRET~~
Annex H (Emergency Evacuation Plan) to Operation Order 1, Cont'd

- (3) MP vehicles and ambulances will have road priority during evacuation.
- (4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.
- (5) Code designation to implement this plan is CONDITION THUNDER.
- (6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.
- (7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 10-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.
- (8) Windows in vehicles will be closed when practical.
- (9) Individuals will refrain from eating or smoking during the evacuation.

3. MEDICAL EVACUATION.

- a. Aid station will treat casualties, if any to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.
- b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.
- c. Route of evacuation for casualties will be the most direct route available.
4. COMMAND.--Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New location will be announced prior to movement in each case.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
S-3

~~SECRET~~

~~Doc. GRADES Form~~
~~14 COR 384.15~~
2 JUNE 1957

~~SECRET~~

DOWNGRADED
LTA MP COR 314.15
3 JUNE 57

Annex H (Emergency Evacuation Plan) to Operation Order 1, Cont'd)

(3) MP vehicles and ambulances will have road priority during evacuation.

(4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.

(5) Code designation to implement this plan is CONDITION THUNDER.

(6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.

(7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 30-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.

(8) Windows in vehicles will be closed when practical.

(9) Individuals will refrain from eating or smoking during the evacuation.

3. MEDICAL EVACUATION.

a. Aid station will treat casualties, if any to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.

b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.

c. Route of evacuation for casualties will be the most direct route available.

4. COMMAND.—Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New location will be announced prior to movement in each case.

JENSEN
Brig Gen

Distribution: Special

OFFICIAL:

Garay
GARAY
3-3

~~SECRET~~

DOWNGRADED
LTA MP COR 314.15
2 JUNE 1957

8 JUNE 57

1, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEV
111000 May 1957

Annex I (Distribution List) to Operation Order 1

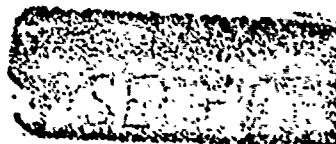
UNITS	Copy Nr
CC, US CONARC, Attn: G3	✓ 1-4
CG, Sixth US Army, Attn: G3	✓ 5-6
CG, Sixth US Army, Attn: PID	✓ 7
Comdr, Fld Comd, AFSWP, Mercury	✓ 8-13
CG, Camp Irwin, Attn: G3	✓ 14-16
Executive Officer, Camp Desert Rock	✓ 17
S-1, Camp Desert Rock	✓ 18
S-2, Camp Desert Rock	✓ 19
S-3, Camp Desert Rock	✓ 20-24
S-4, Camp Desert Rock	✓ 25
Hq Comdt, Camp Desert Rock	✓ 26
Sig Off, Camp Desert Rock	✓ 27
FM, Camp Desert Rock	✓ 28
Chemical Off, Camp Desert Rock	✓ 29
Engr, Camp Desert Rock	✓ 30
PIO, Camp Desert Rock	✓ 31
Chief, Instructor Group Section, Camp Desert Rock	✓ 32
CO, 26th TC Bn *	✓ 33
CO, Hosp Unit, 8th Field Hosp	✓ 34
CO, 232d Sig Co *	✓ 35
CO, 50th Chemical Plt *	✓ 36
Post Aviation Off	✓ 37
Project Off, Project 50.3	✓ 38
Project Off, Project 50.7	✓ 39
Project Off, Project 51.1	✓ 40
Project Off, Project 53.4	✓ 41
AG, File Copy	✓ 42

THOMAS
Trig Gen

Distribution: Special

OFFICIAL:

2-3
GARAY
S-3



Downgraded
354.15 3 JUNE 57

#046

3 JUNE 57

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEV
111000 May 1957

Annex I (Distribution List) to Operation Order 1

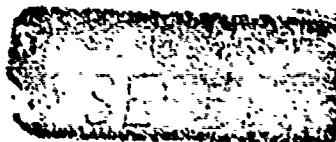
UNITS	Copy Nr
CC, US CONARC, Attn: G3	✓ 1-4
CG, Sixth US Army, Attn: G3	✓ 5-6
CG, Sixth US Army, Attn: PIO	✓ 7
Comdr, Fld Comd, AFSWP, Mercury	✓ 8-13
CG, Camp Irwin, Attn: G3	✓ 14-16
Executive Officer, Camp Desert Rock	✓ 17
S-1, Camp Desert Rock	✓ 18
S-2, Camp Desert Rock	✓ 19
S-3, Camp Desert Rock	✓ 20-24
S-4, Camp Desert Rock	✓ 25
Hq Comdt, Camp Desert Rock	✓ 26
Sig Off, Camp Desert Rock	✓ 27
AM, Camp Desert Rock	✓ 28
Chemical Off, Camp Desert Rock	✓ 29
Engr, Camp Desert Rock	✓ 30
PIO, Camp Desert Rock	✓ 31
Chief, Instructor Group Section, Camp Desert Rock	✓ 32
CO, 26th TC Bn	✓ 33
CO, Hosp Unit, 8th Field Hosp	✓ 34
CO, 232d Sig Co	✓ 35
CO, 50th Chemical Flt	✓ 36
Post Aviation Off	✓ 37
Project Off, Project 50.3	✓ 38
Project Off, Project 50.7	✓ 39
Project Off, Project 51.1	✓ 40
Project Off, Project 53.4	✓ 41
AG, File Copy	✓ 42

JENSEN
Trig Gen

Distributions: Special

OFFICIAL:

Garay
GARAY
S-3



DOWNGRADED
EX 354.15 3 JUNE 57

#046